

Patent Application of John B. Broadhead, Raj M. Patil and
Timothy A. Poole for "Electronically Coded Device Measuring
Well Depth Information" continued

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CLAIMS: What is claimed is:

1. A measuring device that collects depth information from wells.
2. The measuring device of claim 1 that has a rolling mechanism that rotates as a sensor tape assembly is lowered and raised in a well. Said rolling mechanism connects to a rotary encoder. Said rotary encoder is connected to electrical components that track and stores the displacement movement distance of the sensor tape assembly.
3. The measuring device of claim 1 that has a rolling mechanism that rotates as a sensor tape assembly is lowered and raised in a well. Said rolling mechanism connects to a rotary encoder. Said rotary encoder is connected to electrical components that track and stores the displacement movement distance of the sensor tape assembly. Said electrical components connect to a Global Positioning System (GPS) Receiver to obtain positioning information for the wells.
4. The measuring device of claim 1 that has a rolling mechanism that rotates as a sensor tape assembly is lowered and raised in a well. Said rolling mechanism connects to a rotary encoder. Said rotary encoder is connected to

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electrical components that track and stores the displacement movement distance of the sensor tape assembly. Said electrical components connect to a bar code reading device that obtains identification information from the wells.

5. The measuring device of claim 1 that has a rolling mechanism that rotates as a sensor tape assembly is lowered and raised in a well. Said rolling mechanism connects to a rotary encoder. Said rotary encoder is connected to electrical components that track and stores the displacement movement distance of the sensor tape assembly. Said electrical components connect to a Radio Frequency Identification (RFID) reading device that obtains identification information from the wells.

6. The measuring device of claim 1 that has a housing that can attach to wells. Said housing has a rolling mechanism that rotates as a sensor tape assembly is lowered and raised in a well. Said rolling mechanism connects to a rotary encoder. Said rotary encoder is connected to electrical components that track and stores the displacement movement distance of the sensor tape assembly.

7. The measuring device of claim 1 that has a housing that can attach to wells. Said housing has a rolling

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mechanism that rotates as a sensor tape assembly is lowered and raised in a well. Said rolling mechanism connects to a rotary encoder. Said rotary encoder is connected to electrical components that track and stores the displacement movement distance of the sensor tape assembly. Said electrical components connect to a Global Positioning System (GPS) Receiver to obtain positioning information for the wells.

8. The measuring device of claim 1 that has a housing that can attach to wells. Said housing has a rolling mechanism that rotates as a sensor tape assembly is lowered and raised in a well. Said rolling mechanism connects to a rotary encoder. Said rotary encoder is connected to electrical components that track and stores the displacement movement distance of the sensor tape assembly. Said electrical components connect to a bar code reading device that obtains identification information from the wells.

9. The measuring device of claim 1 that has a housing that can attach to wells. Said housing has a rolling mechanism that rotates as a sensor tape assembly is lowered and raised in a well. Said rolling mechanism connects to a rotary encoder. Said rotary encoder is connected to electrical components that track and stores the

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displacement movement distance of the sensor tape assembly.
Said electrical components connect to a Radio Frequency
Identification (RFID) reading device that obtains
identification information from the wells.